

Мирошниченко, В.А.; Красильщиков, Н.С.; Смирнов, О.Н.

Изучение и формирование пористой структуры
и методы высыхания силициевой гидрогеля в зависимости
от времени высыхания. Колл. журн.
журнал: УДК 666.742.5-01:14
(МИР 17:10)

Институт химии им. А.Н.Богдановича
Украинской Академии наук им. Б.Вишневского.

SHEYNFAYN, R. Yu.; LIPKIND, B.A.; STAS', O.P.; NEYMARK, I. Ye.

Mechanism of the porous structure formation in silica gel.
Part 3: Role of aging of neutral and alkaline hydrogels in
the formation of the porous structure of xerogels. Koll.
(MIRA 18:1)
zhur. 26 no.6:734-738 N-D '64

1. Institut fizicheskoy khimii imeni L.V.Pisarzhevskogo AN
UkrSSR i Gor'kovskaya optytnaya baza Vsesoyuznogo nauchno-
issledovatel'skogo instituta po pererabotke nefti i gaza i
polucheniyu zhidkogo topliva.

Information contained herein is unclassified

Machine gun fire was observed at surface and ground structures.
Mark IV Gunnel was used to determine the location of
position of variation of gun range time and the nature of
the target. (Ref. 100-6-100-100 N.D. 165.)
CIA/CIA/CIA/LAWRENCE FALLS, DIA, 100-6-100-100 N.D. 165.
(Ref. 100-6-100-100)

1. Information furnished by CIA/CIA/CIA/LAWRENCE FALLS, DIA, 100-6-100-100 N.D. 165.

Copy to: [redacted] August 10, 1964.

VARVAK, P.M.; KIRIYENKO, V.I.; CHUDNOVSKIY, V.G.; KRYLOV, V.K.; BRAUDE,
Z.I.; EKIMYAN, V.A.; IVANOV-DYATLOV, A.I.; FRANOV, P.I.; ASHATOV,
A.Ye.; BERDICHEVSKIY, N.M.; IZAKSON, S.I.; YEGZLOV, V.I.; KOLESNIK,
K.S.; KUYDICH, S.A.; SVERDLOV, A.I.; SIMON, Yu.A.; SHEYNFAYN, S.R.;
BOLOTIN, V.V.; GOL'DENBLAT, I.I.

Book reviews and bibliography. Stroi. mekh. i rasch. stor. 3
(MIRA 15:4)
no.6:46-50 '61.
(Bibliography--Structures, Theory of)

LUCHANSKIY, L.N.; DAVYDOV, A.V.; SHEYNFEL'D, B.Sh.

Using tall oil for the preparation of rosin-containing alkyd resins. Lakokras. mat. i ikh prim. no.6:75-77 '61. (MIRA 15:3)

1. L'vovskiy lakokrasochnyy zavod.
(Tall oil) (Gums and resins)

SHEYNFELD, N., kand. tekhn. nauk

Effective methods of testing large structural elements. Na
stroj. Ros. 3 no.10:30-31 0 '62. (MIRA 16:6)

(Precast concrete--Testing)

BERDICHESKII, G.I., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk;
MIKHAYLOV, K.V., kand.tekhn.nauk; GVOZDEV, A.A., prof., doktor
tekhn.nauk; MIKHAYLOV, V.V., prof., doktor tekhn.nauk; BULGAKOV,
V.S., kand.tekhn.nauk; VASIL'YEV, A.P., kand.tekhn.nauk; YEVGEN'YEV,
I.Ye., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk; SVETOV, A.A.,
kand.tekhn.nauk; FRENKEL', I.M., kand.tekhn.nauk; BELOBROV, I.K.,
inzh.; MATKOV, N.G., inzh.; MITNIK, G.S., inzh.; SKLYAR, B.L., inzh.;
SHILOV, Ye.V., inzh.; MASENKO, I.D., inzh.; NIZHNICHEENKO, I.P., inzh.;
FILIPPOVA, G.P., inzh.; MIZERNYUK, B.N., kand.tekhn.nauk; SHEYNEFEL'D,
N.M., kand.tekhn.nauk; BALAT'YEV, P.K., kand.tekhn.nauk; BARBARASH,
I.P., kand.tekhn.nauk; MITGARTS, L.B., kand.tekhn.nauk; SHIFRIN, M.A.,
kand.tekhn.nauk; PETROVA, V.V., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Temporary instruction on the technology of making prestressed re-inforced concrete construction elements] Vremennaisa instruktsiia po
tekhnologii izgotovleniya predvaritel'no napriazhennykh zhelezobetonynykh konstruktsii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i
stroit.materialam, 1959. 255 p. (MIRA 12:12)

(Continued on next card)

BERDICHEVSKIY, G.I.----(continued) Card 2.

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov; Berdichevskiy, Bulgakov, Vasil'yev, Dmitriyev, Yevgen'yev, K.V.Mikhaylov, Mulin, Svetov, Frenkel', Belobrov, Matkov, Mitnik, Sklyar, Shilov). 3. Nauchno-issledovatel'-skiy institut organizatsii, mekhanizatsii i tekhpomoshchi Akademii stroitel'stva i arkhitektury SSSR (for Masenko, Nizhnichenko, Filippova, Mizernyuk, Sheynfel'd). 4. Nauchno-issledovatel'skiy institut Glavmospromstroymaterialov (for Balat'yev, Barbarash). 5. Nauchno-issledovatel'skiy institut po stroitel'stu Minstroya RSFSR (for Mitgarts, Shifrin). 6. Deystvitel'nyye chleny Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev, V.V.Mikhaylov).

(Prestressed concrete)

SHEYNEFEL'D, N.M., kand.tekhn.muk; BULGAKOVA, V.V., inzh.

Remarks on S.S.Krotovskii's book "Field testing of large
precast reinforced concrete construction elements." Bet.i
zhel.-bet. no.6:291-292 Je '60. (MIRA 13:7)
(Precast concrete--Testing)
(Krotovskii, S.S.)

BALDIN, V.A., doktor tekhn.nauk; SHEYNFEL'D, N.M., kand.tekhn.nauk
Roof trusses from steel pipes. Prom.stroi. 43 no.12:27-29
'65. (MIRA 18:12)

SHEYNEF'D, N., kand.tekhn.nauk; MASLOBOYSHCHIKOV, A., tekhnik

Stand for testing large construction elements. Stroitel' no.7:
(MIRA 13:8)
22-24 Jl '60.
(Girders--Testing)

SHEYNFEL'D, N.M., kand.tekhn.nauk

Dismountable stand for testing beams, wall panels, and girders.
Bet. i zhel.-bet. no. 3:135-136 Mr '61. (MIRA 14:5)
(Prestressed concrete—Testing)

SHEINFEL'D, N.M., kand.tekhn.nauk

Quality control methods for structural elements must be
improved. Prom. stroi. 40 no.9:58-59 '62. (MIRA 15:11)
(Building materials—Testing)

BALDIN, V.A.; BELYAYEV, B.I.; SOKOLOVSKIY, P.I.; SHEYNFEL'D, N.M.;
ARONE, R.G.

Steels of increased and high strength for structural elements.
(MIRA 17:6)
Prom. stroi. 41 no.1:17-21 Ja '64.

HAIDIN, V.A., doktor tekhn. nauk; SHFI NPF D, R.M., kand. tekhn. nauk

Using thin-walled closed profiles in metal structures.
Prom. stroi. 42 no.132-34 '65. (MERA 18:3)

L 16702-65 ENT(1)/EPA(s)-2/EPF(n)-2/EWG(v)/EPR/EWA(1) Pe-5/Ps-4/Pt-10/
Pu-4 ESD(t)/AEDC(a)/SSD/AFWL/RAEM(a) WW
S/0058/64/000/010/E006/E006 B

ACCESSION NR: AR5000791

SOURCE: Ref. zh. Fizika, Abs. 10E43

AUTHORS: Sheynfel'd, V. L.; Rykov, V. I.

TITLE: Thermal conductivity of normal liquids, and its connection with some other physical parameters

CITED SOURCE: Uch. zap. Kishinevs. un-t., v. 69, 1964, 30-34

TOPIC TAGS: thermal conductivity, liquid state, speed of sound, refractive index, surface energy, temperature dependence

TRANSLATION: Formulas are obtained relating the coefficient of thermal conductivity of a liquid with the heat of evaporation, the specific surface energy, and the speed of sound in the liquid. A relation is obtained between the speed of sound in the liquid and the total free surface energy. It is shown that this relation gives the temperature dependence of the speed of sound, which is in much better agreement with experiment than the known formulas of Altenburg

Card1/2

L 16702-65
ACCESSION NR: AR5000791

O
and Auerbach. A relation is obtained between the speed of sound in the liquid and its refractive index.

SUB CODE: GP, TD

ENCL: 00

Card 2/2

L 9211-66 EWT(i)/EWT(m)/ETC/ETG(m)/EWP(j)/ETC(m) RPL m/m/RM
ACC NR: AR6000118 SOURCE CODE: UR/0058/65/000/008/E008/E008

SOURCE: Ref. zh. Fizika, Abs. 8E53

AUTHORS: Rykov, V. I.; Sheynfel'd, V. L.; Yakovleva, G. S.

ORG: none

TITLE: On the Frenkel'-Gubanov formula and the relation between the speed of sound,
heat of evaporation, and surface energy 44,55

CITED SOURCE: Uch. zap. Kishinevsk. un-t, v. 75, 1964, 31-34

TOPIC TAGS: surface tension, temperature dependence, thermodynamic law, sound pro-
pagation, thermal expansion, evaporation 21,44,55

TRANSLATION: Starting from the well-known Frenkel'-Gubanov formula for the tempera-
ture coefficient of surface tension, the authors establish with the aid of several
thermodynamic laws the relation between the speed of sound, heat of evaporation, free
surface energy, and thermal coefficient of volume expansion for normal liquids. A
relation is established between the speed of sound and the boiling temperature.

SUB CODE: 20

Card 1/1

ACC NR: AR7000883

SOURCE CODE: UR/0058/66/000/009/E107/E107

AUTHOR: Sheynfel'd, V. L.

TITLE: Temperature dependence of the galvanomagnetic and thermomagnetic properties of bismuth antimony alloys with lead impurities

SOURCE: Ref. zh. Fizika, Abs. 9E851

REF SOURCE: Sb. Materialy IV Konferentsii molodykh uchenykh Moldavii, 1964,
Sekts. fiz.-matem. Kishinev, 1965, 43-47

TOPIC TAGS: ^{bismuth} alloy, ~~bismuth~~ antimony alloy, ~~impurity, alloy impurity,~~
galvanomagnetic effect, thermomagnetic effect, temperature dependence, metal
property, magnetic property

ABSTRACT: The galvanomagnetic and thermomagnetic properties of Bi-Sb (0.1; 3.5, and 7 atomic % Sb) with Pb impurities (0.1, 0.3, 0.5, and 1 atomic % Pb) were investigated in the 30-200C temperature range. The dependence of the specific resistance $\rho(T)$ of the Bi-Sb alloy with an Sb concentration of over 1% has a minimum which shifts toward the higher temperatures with the addition of Pb. The Hall coefficient R and magnetic resistance $(\Delta\rho/\rho)$ decrease with an

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ACC NR: AR7000883

increase in T and in the concentration of both Sb and Pb. However, in a weak field H, the curve R (atomic % Pb) has a maximum. The relationships of thermoelectric efficiency of alloys $\alpha(T)$ and α (atomic % Pb) have maximums which depend on the Sb concentration. The dependence curve of Nernst-Ettingshausen's (N—E) longitudinal coefficient against T shows a positive maximum in most cases. In individual specimens there are temperature intervals in which the coefficient N—E < 0. The results obtained are explained by the decrease in the overlap of the valence band and the conductivity zone with the Sb impurity to Bi, and by the decrease in the electron concentration in the conductivity band of the Bi—Sb alloy to which the Pb impurity is added. Yu. Ogrin. [Translation of abstract]

[GC]

SUB CODE: 20//

Card 2/2

L 8556-66 EWT(1)/EWT(m)/EPF(n)-2/EWP(j)/EWA(h)/ETC(m)/T/EWA(d) RPL
 ACCESSION NR: AP502117/ RM/WW/JW

UR/0139/65/000/004/0108/0111 65

AUTHOR: Rykov, V. I.; Sheynfel'd, V. L. 44,5

TITLE: The application of the Frenkel-Gubanov formula to normal liquids with polyatomic molecules 7,44,5 61

SOURCE: IVUZ. Fizika, no. 4, 1965, 108-111

TOPIC TAGS: heat capacity, heat of vaporization, heat theory, liquid property

ABSTRACT: The formula of Ya. I. Frenkel and A. Gubanov (ZhETF v. 16, no. 5, 435, 1946) for the temperature coefficient of the surface tension γ

$$\nu^{2/3} \frac{d\sigma}{dT} = -\frac{2}{3} \alpha \nu^{2/3} - \frac{\sigma \nu^{2/3} (C_D - C_V)}{L} - 0.84$$

is found to differ from the experimental values of certain normal liquids by 30--50%. The constant 0.84 is not universal and should, according to Frenkel and Gubanov, depend on the structure of the molecules because of the neglect of the effect of the surface on the rotational and internal degrees of freedom of polyatomic molecules. For organic liquids the constant is found to be about 3/2. It is shown further that the Frenkel-Gubanov formula can also be very useful for obtaining semi-empirical relations if the constant 0.84 is replaced by a quantity

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L 8556-66

ACCESSION NR: AP5021177

proportional to the Eotvos coefficient, with a proportionality constant $2/3$. A new relation between the heat of evaporation and the difference between the heat capacities is obtained which is in good agreement with experiment. It can be useful for calculating the difference between the heat capacities of a liquid at constant pressure and volume. Orig. art. has: 2 tables and 10 formulas.

ASSOCIATION: Kishinevskiy gosuniversitet (Kishinev State University) 44⁵⁵,
SUBMITTED: 250ct63 ENCL: 00 SUB CODE: GP, TD
NR REF Sov: 006 OTHER: 004

jw

Conf 2/2

SHEYNFINKEL', V.M., inzh.

Hydraulic, pneumatic, and electrical devices in prostheses of
the upper extremities (Review of foreign literature and patents).
Ortop., travm.i protez. no.5:65-69 '61. (MIRA 14:8)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta prote-
ziroveniya (dir. - dotsent M.V. Strukov).
(PROSTHESIS)

KRIVKOV, G.A., polkovnik meditsinskoy sluzhby; VEKSLER, Ya.I., mayor meditsinskoy sluzhby, kandidat meditsinskikh nauk; YEFREMOV, A.S., mayor meditsinskoy sluzhby; SHENGERTS, A.R., podpolkovnik meditsinskoy sluzhby, kandidat meditsinskikh nauk; RUMOVSKIY, D.N., polkovnik meditsinskoy sluzhby.

Course of experimental pneumonia following damage by radiation.
Voen.-med.zhur. no.7:41-45 Jl '56. (MLRA 9:11)
(RADIATION SICKNESS) (PNEUMONIA)

TSUKERMAN, M.A., kand.med.nauk; VEKSLER, Ya.I., kand.med.nauk; SIZYAKIN, P.S.;
TEGENT'LEV, N.I.; KORZAN, D.P.; RUMOVSKIY, D.N.; SHEYNGERTS, A.R.,
kand.med.nauk; BRUN, S.A. (Rostov-na-Donu)

Basis for early necrectomy in experimental third degree burns.
Ortop., travm. i protez. 18 no.5:44-49 S-0 '57. (MIRA 12:9)
(BURNS AND SCALDS)

17(2)

SOV/177-58-11-5/50

AUTHORS: Runovskiy, D.N., Colonel of the Medical Corps and
Sheyngerts, A.R., Lieutenant-Colonel of the Medical
Corps, Candidate of Medical Sciences

TITLE: Lethal Outcomes of Ileus

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 11, pp 17 -
21 (USSR)

ABSTRACT: The article is based on 378 dissection reports of pa-
tients who died of ileus in the course of 9 years
and on data of Ya.L. Rappoport, A.I. Abrikosov, A.V.
Rusakov and A.M. Vakhurkina. In 58.2% of the cases,
death was caused by strangulation ileus, in 29.9%
by spastic ileus, in 8.2% by the occlusive form and
in 3.7% by the dynamic form. Most of the lethal out-
comes in ileus were due to late operation. The in-
tervals from the beginning of the disease up to the
operation are shown in table 1. The author stresses
the importance of taking organizational measures in
order to reduce the diagnostic period in medical

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"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549330005-1

TSUKERMAN, M.A.; VEKSLER, Ya.I.; SIZYAKIN, P.S.; RUNOVSKIY, D.N.; SHEYNGERTS, A.R.

Immunotherapy of thermal burns in radiation diseases. *Vest.khir.*
83 no.7:130-135 Jl '59.
(MIRA 12:11)
(BURNS AND SCALDS) (SERUM THERAPY) (RADIATION SICKNESS)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549330005-1"

TSUKERMAN, M.A.; VEKSLER, Ya.I.; SIZYAKIN, P.S.; RUNOVSKIY, D.N.;
SHEYNGERTS, A.R. (Rostov-na-Donu)

Treatment of burn-radiation sickness with serum of burn convalescents
in combination with early necrectomy. Pat. fiziol. i eksp. terap.
4 no. 5:3-7 S-O '60. (MIRA 13:10)
(RADIATION SICKNESS) (BURNS AND SCALDS) (SERUM)

27.12.20

25253

S/177/60/000/007/008/011
D264/D304

AUTHORS:

Grivkov, G.A., Colonel, Medical Corps, Veksler,
Ya.I., Candidate of Medical Sciences, Lieutenant
Colonel, Medical Corps, and Sheyngerts, A.R.,
Candidate of Medical Sciences, Lieutenant Colonel,
Medical Corps

TITLE:

The features of the course of certain ailments of
the internal organs against a background of radia-
tion afflictions

PERIODICAL:

Voyenno-meditsinskiy zhurnal, no. 7, 1960, 45-51

TEXT: In view of the absence of published information on changes
in the clinical course of internal diseases as a result of radia-
tion ailments, the authors studied the course of certain diseases
against a background of radiation sickness. The present article
deals with the results of a study of experimental exudative pleuri-
tis and myocarditis complicated by acute radiation sickness. Data
on experimental pneumonia complicated by radiation sickness can be

X

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The features of the course...

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D264/D304

X

found in Voyenno-meditsinskiy zhurnal, no. 7, 1956. Assisted by M.S. Lipovetskiy, the authors studied exudative pleuritis in rabbits: a) without radiation sickness, b) with radiation sickness but without pleuritis, c) with pleuritis evoked immediately after irradiation and d) 7 days after irradiation. The total radiation dose was 502 r. It was found that exudative pleuritis complicated by radiation sickness had a number of features peculiar only to the combined ailment: marked and rapid development of anemia; stormy course of pleuritis of a definite hemorrhagic nature; the formation of extensive blood clots in the pleural cavity; considerable retardation of exudate resorption; complication by pneumonia; high mortality. The disease was most severe cases where pleuritis was evoked at the height of radiation sickness. The experimental myocarditis tests were conducted in a similar manner with the assistance of D.P. Korzan and V.P. Palamarchuk. The course of myocarditis in the irradiated animals (as compared with the intact rabbits) was much more severe, often with progressive leukopenia (usually accompanied by lymphopenia) and a high mortality rate (11 out of 17 animals). The myocardium seemed to be affected earlier and more deeply than in

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The features of the course... 25253

S/177/60/000/007/008/011
D264/D304

the intact animals. The results show that radiation gives pleuritis and myocarditis features that are not typical of the pathological process in non-irradiated animals. There are 2 tables.

SUBMITTED: February, 1960

X

Card 3/3

KRIVKOV, G.A.; VEKSLER, Ya.I.; KORZAN, D.P.; SHEYNGERTS, A.R.;
KHASABOVA, V.A.; PALAMARCHUK, V.P.

Experimental myocarditis in acute radiation sickness. Pat.
fiziol. i eksp. terap. 6 no.4:81-83 Jl-Ag '62. (MIRA 17:8)

VEKSLER, Ya.I., kand. med. nauk; USHAYEVA, I.I.; RADYUK, L.I.;
SHEYNGERTS, A.R., kand. med. nauk

Characteristics of the course of alloxan diabetes in
animals injured by penetrating radiation. Probl. endok. i
gorm. 9 no.3:40-43 My-Je '63. (MIRA 17:1)

KHANIN, I.M.; KUPRIYENKO, I.G.; SHEYNGOLD, M.A.; YARENCHUK, V.A.

Basic trends in the development of the construction of coke ovens abroad using the underjet gas distribution system. Koks i khim. no.7:58-64 '60. (MIRA 13:7)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut.

(Coke ovens)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549330005-1

"An Atticment with Mechanical Drive for Planing and Plated on the Spot"
Stacked Instrument, 17 Nov 10-11, 12'6.

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549330005-1"

SHEVCHENKO, E. M. and V. L. MOREEV.

Remont oborudovaniia liteinykh tsekhov mashinostroitel'nykh zavodov.
Kiev, Mashgiz, (Ukr. otd-nie) 1950. 169 p. diagrs.

Bibliography: p. 168.

Repair of foundry equipment in machine-building plants.

DLC: TJ1165.M6

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

1. SHEYNGOL'D, YE. M., Eng. FRIDLAND, V.A.
2. USSR (600)
4. Machine Tools - Maintenance and Repair
7. Changing the methods of planning repair periods for equipment. Vest mash. No. 1
1953
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ПОМЕРАНЦЕВ, Вадим Григор'евич; ШЕЙНГОЛЬД, Ефим Маркович; АФОНИНА, Г.;

veduchi redaktor; КУДРЯВЦЕВ, Г., veduchi red.; ПАТСАЛЮК, П., tekhn.red.

[Modernization of machine tools] Modernizatsiya metalorizat'nykh
verstaviv. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1957. 62 p.

(MIRA 10:12)

(Machine tools)

ABRAMOVICH, I.I., prof., ANBINDER, A.G., inzh., ANTOSHIN, Ye.V., inzh., ARKHANGEL'SKIY, L.A., inzh., ASTAF'YEV, S.S., kand. tekhn. nauk, AFANAS'YEV, L.A., inzh., BARGSTEYN, I.I., inzh., BORISOV, Yu. S., inzh., red., BYALYY, I.L., inzh., VETVITSKIY, A.M., inzh., GERSHMAN, D.Kh., inzh., GINZBURG, Z.M., inzh., GOROSHKIN, A.K., inzh., YEVDOKIMCHIK, Kh.I., inzh., ZHIKH, V.A., kand. tekhn. nauk, ZABYVAYEV, Ye. I., kand. tekhn. nauk, [deceased], ZQBIN, V.S., inzh., IVANOV, G.P., kand. tekhn nauk, KAPRANOV, P.N., inzh., KONDRAUTOVICH, V.M., inzh., KOSTEREV, S.K., inzh., KOVAL'SKIY, N.N., inzh., KRUGLYAK, L.A., inzh., LUKYANOV, T.P., inzh., LAPIDUS, A.S., kand. tekhn. nauk, LIVSHITS, G.A., kand.tekhn. nauk, LISHANSKIY, I.M., inzh., MIGALINA, Ye.Ya., inzh., NOSKIN, R.A., kand. tekhn. nauk; PRONIKOV, A.S., doktor tekhn.nauk, REGIRER, Z.L., kand. tekhn. nauk, RUDYK, M.A., inzh., SOKOLOVA, N.V., inzh., SAKLINSKIY, V.V., inzh., SAKHAROV, V.P., inzh., TOKAR', M.KH., inzh., TKACHEVSKIY, G.I., inzh., KHRUNICHEV, Yu.A., kand. tekhn. nauk, TSOPIN, K.G., inzh., red.; SHEYNGOL'D, Ye. M., inzh., SOKOLOVA, T.F., tekhn. red.

[Handbook for machinists of machinery plants in two volumes] Spravochnik mekhanika mashinostroitel'nogo zavoda v dvukh tomakh. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry. Vol. 2. [The technology of repair work] Tekhnologiya remonta. Otv. red. toma IU. S. Borisov, 1958. 1059 p. (MIRA 11:10)

(Machinery--Maintenance and repair)
(Machine-shop practice)

ANTOSHIN, YE.V.

13

PEACE I BRING NOT VIOLENCE

800/1463

Spravochnik mehanika mashinotvorchestva po avtomobilem v drevnih sostach.
t. 2: *Fizicheskaya promstotnost* (Handbook for Mechanics of Machine-building
Plants in Two Volumes. Vol. 2. Technology of Repair Operations) Moscow,
Mashgiz, 1958. vti, 1959 p. 10,000 copies printed.

Repr. № 1-1. Ya. D. Bortnev, Radiotekhnika i elektronika, K. G. Topil's, Engineer; Tech. Ed.:
T. V. Slobodchikova, Radiotekhnika i elektronika, N. S. Borovik, Radiotekhnika i elektronika,
Doctor of Technical Sciences, and N. A. Roktin, Candidate of Technical Sciences;
Managing Ed. for Reference Literature (Mashgiz); V. I. Krivov, Engineer.

Remark: This handbook is intended for personnel responsible for repair and main-
tenance operations in a machinery-manufacturing plant.

OVERVIEW: This handbook contains information pertinent to the organization of repair and maintenance operations, design-preparation of maintenance work, and planning of maintenance. Information on scientific research organizations and plans for participation in preparation of this volume is included in the coverage of Volume I (see page 10 of this volume). There are no references. Basic topics covered include identification and marking of parts in maintenance operations; metal-working, heating, and welding; finishing operations involved in maintenance work; checking parts; use of measuring instruments; basic tool maintenance; power equipment; and methods of maintaining foundations.

Manufacture and maintenance of basic parts for forging and pressings	219
equipping (Gibbons, Z.L., engineer)	220
Repairs	220
Repairing hammers	222
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Manufacture of parts for hot-rolling machinery (Matheron, L., and Macleod, J., engineers)	246
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Manufacture of Metallic parts (boricor, Tu.S., Engineer)
General material requirements
Traveling wheel requirements
Load-grabbing elements
Bronze
Brass
Blocks

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ANTOSHIN, Ye.V.

-20(5) b3 PAGE 1 BOOK EXPLANATION

Sov7/1561

Spravochnik moshchinitovatel'nykh zavodov i Avtobusnoy
 t. 2: Tekhnologiya remonta (Handbook for Mechanics of Machine-building
 Plants in Two Volumes. Vol. 2: Technology of Repair Operations) Moscow,
 MASHGIZ, 1958. vols. 1959 p. 40,000 copies printed.
 Head: N.S. Borisyuk, Engineer; Ed.: K.G. Teplin, Engineer; Tech. Ed.:
 P.Y. Scholzene, Ed. of Sets; Yu.S. Borisyuk, A.P. Vladizyayev,
 Doctor of Technical Sciences, and R.A. Roekin, Candidate of Technical Sciences;
 Manager: Ed. for Reference Literature (Mechanics); V.I. Krylov, Engineer.
 Purpose: This handbook is intended for personnel responsible for repair and main-
 tenance operations in a machine-manufacturing plant.
 CONTENT: The handbook contains information pertinent to the organization of
 repair and maintenance operations, design-preparations of maintenance work, and
 economics of maintenance. Information on scientific research organizations and
 plants participating in preparation of this volume is included in the coverage
 of Volume 1 (Sov7/1559). There are no references. Basic topics covered include
 reconstruction and making of parts in maintenance operations (method in metalworking,
 boisting, and pipefitting); planning operations (method in metalworking, method in maintenance work,
 electing parts for provision of basic bench and assembly work); maintenance of
 power equipment; and maintenance of foundations.

(Engrapt. Ye. M. Engineer; and Batalov, I.L., Engineer)
 Main topics covered in maintenance of equipment:
 - assembling operations for repair
 - disassembling operations in maintenance of equipment
 - methods of repair of damaged parts
 - methods of repair of damaged tools
 - repair of damaged tools
 - scrapping out of surfaces and bearings
 - substitution of machines for service
 Leningrad

Card 12/56

ANTOSHIN, Ye.V.

.25(5) p.3 PAGE I BOOK EXPLOITATION BOV/1561

Spravochnik makhinika mashinostroyatelogo zavoda v drahach tomu.
t. 2: Tekhnologiya remonta (Handbook for Mechanics-Building
Plants in Two Volumes). Vol. 2: Technology of Repair Operations) Moscow,
Machine, 1959. Vol. 2: 1959 p. 40,000 copies printed.

Rep. Ed.: D.S. Borodov, Engineer; Ed.: K.G. Topor, Engineer; Tech. Ed.:
Doctor of Technical Sciences, and R.A. Roskin, Candidate of Technical Sciences;
Managing Ed. for Reference Literature (Mechanics); V.I. Kozhevnikov, Engineer.

PURPOSE: This handbook is intended for personnel responsible for repair and main-
tenance operations in a machinery-manufacturing plant.

CONTENTS: The handbook contains information pertaining to the organization of
repair and maintenance operations, dealing in preparation of maintenance work, and
economic operation. Information on scientific research organizations and
plants participating in preparation of the volume is included in the section
of Volume 1 (BOV/1559). There are no references. Basic topics covered include
rebuilding, and making or parts in machine operations; basic topics covered include
bearing, and pipe-fitting; finished operations involved in metal-working;
checkings parts for precision; basic bench and assembly work; maintenance of
power equipment; and maintenance of foundations.

NOTES: Used in checking geometric shapes and the interrelationship
of machine parts (Shaftpinia-Lekh, Buglyov, and Byrdy, I.L., Buglyov)

Basic rules followed in checklist

use of a flatness ΣA

Machinist, use, and maintenance of guides

Methods for checking the position of guides

Checking the flatness of guides

Methods of measuring the geometric precision of machine tools

(Sobolova, N.Y., Engineer)

Checking the flatnesses of machine tool working parts which

support the machined item

Checking the rectilinearity of movement of machine tool working

Rectilinearity of the movement checked in the vertical plane

Checking the lines of rotation of the machine tool working parts

which support the machined item or the tool

6.9

Card 17/56

ANTOSHIN, Ye V

25(5) [3] PLATE I BOOK EXPLOSION

80V/1561

Ogranochnik mehanicheskikh protsessov po vospriyatiyu i obnaruzheniyu
S. D. Tekhnologiya vremya (Handbook for Mechanics of Machine-building
Parts in Time). Volume 2. Technology of Repair Operations) Moscow,
Publishers, 1956. Vol. 2, 10,000 copies printed.

Reed, M. I. Tsvetov, Butinov, K. A., K. G. Tropin, Engineer; Tech. Ed.;
T. P. Dobrovolski, Ed. of text; T. G. Portnov, Engineer; A. P. Vladimirov,
Doctor of Technical Sciences, and R. A. Bobak, Candidate of Technical Sciences;
Managing Ed. for Reference Literature (Vnigiz); V. I. Krylov, Engineer.

Purpose: This handbook is intended for personnel responsible for repair and main-
tenance operations in a machinery-manufacturing plant.

CONTENTS: The handbook contains information pertinent to the organization of
repair and maintenance operations; design preparation of maintenance work, and
economics of maintenance. Information on scientific research organizations and
plants participating in preparation of this volume is included in the coverage
of Volume 1 (007/1559). There are no references. Basic topics covered include:
reconditioning and making of parts in maintenance operations; metal-working;
boiling, and pipe-fitting; finishing operations involved in maintenance work;
checking parts for precision; basic bench and assembly work; maintenance of
power equipment; and maintenance of foundations.

Checking the rigidity of metal-cutting machine tools (Bobakov, N. V.,
Engineer)

755

Ch. V. Basic Bench and Assembly Work and Adjustment of Coordinates. In
the Maintenance of Industrial Equipment (Shenyagol's, Ye. M.,
Reed, Prolyut, I. I., Engineer)

Metal-cutting machine tools

Maintenance of machine tool beds

Choice of methods and test bases in repairing bed ways

Methods for repairing and checking bed ways

Mechanized or hand ways on machine tools

Mechanized or hand ways with the aid of portable devices

Repair by hand or bed ways

Repair or cities on bed ways

Decreasing the durability of bed ways (Lishenok, I. M., Engineer)

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SHEV GOLD, ye M.

(1)

PAGE 1. BOOK EXPLOSION

SOY/560

Mashinostroitel'skaya obshchastvo mehanicheskoy proizvodstvennosti.
Tsentral'noye pravleniye. Sotsial'nye resursy i modernizatsiya obrabotivaniya
Podravnistva i rezent obrabotivaniya mashinotvorstvuyushchikh sredstv (Modernization
and Repair of Machine-Building Plant Equipment). Moscow, Masgiz, 1959.
261 p. Prints slip inserted. 6,100 copies printed.

Ed. (title page): R.A. Mechtin, Candidate of Technical Sciences; Ed. (inside back):
A.V. Popov, Engineer; Tech. Ed.: V.D. Klyuchev, Managing Ed.; for literature on
Metalworking and Machine-Tool Construction (Mechanics); N.D. Sverdlov, Engineer;
Editorial Board: R.A. Mechtin (Chairman), Candidate of Technical Sciences;
T.S.J. Bortnev, Engineer; V.D. Pletner, Engineer; V.I. Mikhaylovskiy, Engineer;
and V.P. Golov, Engineer.

PROMO: This collection of articles is intended for technical personnel dealing
with modernization and overhaul of equipment.

CONTENTS: The articles in this collection deal with the basic trends and a number
of specific problems in the modernization of the machine industry. Modernization of
of foundry, forging-shop, and crane equipment, and problems in the automation of
equipment repair are discussed. Information is given on the use of utilized
machines in the modernization of metal-cutting machine tools on a
subassembly basis for prolonging the life of forged hammers, or methods of automatical vibro-
electric hard facing of worn parts, on substation, and on vibration of
forging hammer foundations. Personalities are mentioned. References follow
several of the articles.

TABLE OF CONTENTS:

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Cart 7/8

LEVCHUK, G.G., inzh.; SHEYNGOL'D, Ye.M., inzh.; BYALYY, I.L., inzh.

Introducing new technological processes for equipment repair.
Vest.mashinostr. 42 no.6:43-47 Je '62. (MIRA 15:6)
(Charkov--Industrial equipment--Maintenance and repair)

SHEYNGOL'D, Ye.M.

Hoisting devices for easing the work of repair mechanics.
Mashinostroitel' no.9:20-22 S '63. (MIRA 16:10)

(Hoisting machinery)

SHEYMIN, A., kandidat tekhnicheskikh nauk.

Some problems of introducing the aggregate method of repair.
Avt.transp.33 no.10:13-15 0'55. (MIRA 9:1)

1.Zamestitel' nachal'nika Tekhnicheskogo upravleniya Ministerstva
avtomobil'nogo transporta i shosseynykh dorog SSSR.
(Motortrucks--Repairing)

SHEYNNIN, A., kand.tekhn.nauk; KUZ'MIN, N., inzh.

Effect of the transportation distance on automobile fuel
consumption. Avt.transp. 35 no.9:14-15 S '57. (MIRA 10:10)
(Automobiles--Fuel consumption)
(Transportation, Automotive)

SHEYNNIN, A.

Calculation and analysis of fuel consumption (according to
new norms). Avt. transp. 38 no. 12;21-23 D '60. (MIRA 13:12)
(Motor vehicles--Fuel consumption)

SHEYNNIN, A., kand.tekhn.nauk; KORNEICHEV, N., inzh.

Increasing the durability of tires. Avt.transp. 40
no.11:16-18 N '62. (MIRA 15:12)

1. Proizvodstvenno-tehnicheskoye upravleniye Ministerstva
avtomobil'nogo transporta i shosseynykh dorog RSFSR.
(Tires, Rubber--Maintenance and repair)

SHEYNNIN, A.

Reports must be accurate. Fin. SSSR 22 no.10:65-68 O '61.
(MIRA 14:9)

1. Zamestitel' glavnogo bukhgaltera upravleniya stroitel'stva
Novosibirskogo sovnarkhoza.
(Novosibirsk Province--Construction industry--Accounting)

SHEYNIN, A., kand. tekhn. nauk

Development of an economic and technical base for automotive
transportation. Avt. transp. 41 no.8:19-21 Ag '63.
(MIRA 16:11)

SHEYNNIN, A., kand. tekhn. nauk

Calculating maintenance and repair requirements of a motor vehicle fleet.
Avt. transp. 42 no. 9:22-26 S '64. (MIRA 17:11)

PORTNOVA, S.L.; RGEZNIKOV, V.M.; ANANICHENKO, S.N.; SHEINKER, Yu.N.;
TORCOV, I.V.

Nuclear magnetic resonance of some D-homosteroids. Dokl. AN
SSSR 166 no.1:125-128 Ja '66.
(MIRA 19:1)

1. Submitted March 27, 1965.

SHCHUKIN A. S.

USSR/Chemistry - Physical Chemistry

Aug 52

"The States of Iodine in Several Organic Solvents," S. A. Shchukarev, L. S. Lilich
and A. S. Sheynin

"DAN SSSR" Vol 85, No 6, pp 1333-1335

It is believed that a coordination bond arises between the I and the solvent mol when I is dissolved in an org solvent. In the present work, I is dissolved in varying concns in solvents (CCl_4 , $\text{C}_2\text{H}_5\text{Cl}$, $\text{C}_2\text{H}_5\text{Br}$, $\text{C}_4\text{H}_9\text{Fr}$, and $\text{C}_2\text{H}_5\text{I}$) and the vapor pressures of I noted. It is found to decrease in the following order: $\text{CCl}_4 > \text{RCl} > \text{RBr} > \text{RI}$. The vapor pressure of I_2 over CCl_4 follows Henry's law of satn. The degree of interaction of I with the solvent increases with the degree of the electron-donating properties of the solvent. The hypothesis of the formation of a coordination-covalent bond between the I and the solvent is confirmed. Presented by Acad A. N. Terenin 18 Jun 52

238T18

SOV. XN. N. 15.

USSR/Physical Chemistry - Thermodynamics, Thermochemistry,
Equilibria, Physical-Chemical Analysis, Phase Transitions. B-8

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 370

Author : Yu.S. Varshavskiy, A.Ya. Kapnis, A.B. Sheynin

Inst : Academy of Sciences of USSR

Title : Composition of Equilibrium Gaseous Phase above Binary
Solution and Van der Waals Equation.

Orig Pub : Zh. fiz. khimii, 1957, 31, No 5, 1166-1168

Abstract : Discussion article. See Reshetnikov M.A., Dokl. AN
SSSR, 1949, 68, 531.

Card 1/1

sov/80-32-5-18/52

5(4)

AUTHORS: Kheyfets, V.L., Sheynin, A.B.

TITLE: The Inter-Phase Tension in Some Sulfide-Silicate Systems at High Temperature

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 5, pp 1039-1042 (USSR)

ABSTRACT: The measurement of the surface tension on the boundary of two liquid phases is very difficult. For this purpose a new method has been applied, based on the determination of the boundary angle between the two phases. At a low size of the immersed droplet both its halves can be regarded as segments of a circle, from which the angle can be calculated. A similar idea has been used in the method employed by Mikiashvili, Samarin and Tsylev [Refs 2,3]. Molten systems of the type matte-slag are investigated here, which are important for the non-ferrous metallurgy. The surface tension on the boundaries matte-gas and slag-gas was determined by the method of the maximum pressure of gas bubbles [Refs 4, 5]. A slag drop of 0.2 - 0.5 g was immersed into the system which was kept in a flow of nitrogen for 30 min at 1,300°C. Then the size of the droplet magnified 10-fold was projected on a screen. The error was 5-10%. Both the surface and inter-phase

Card 1/3

sov/80-32-5-18/52

The Inter-Phase Tension in Some Sulfide-Silicate Systems at High Temperature

tension decrease with the increase of iron sulfide content in the melt. Analogous relations were found by Sryvalin, Yesin and Nikitin [Refs 8,9] for the systems Cu_2S -FeS and Cu_2S - Ni_3S_2 . For the calculation of the inter-phase tension the data of Vanyukov and Ivanov [Ref 10] were also used. The surface tension of slags is the lower, the higher the silica content in them. The substitution of CaO by FeO increases the inter-phase tension. The "mechanical" losses in the nickel production can be reduced by increasing the inter-phase tension which facilitates the aggregation of the matte reguli. The surface tension increases with the decrease of the nickel content in the matte. There are: 3 graphs, 1 diagram and 10 references, 7 of which are Soviet, 2 English and 1 German.

Card 2/3

sov/80-32-5-18/52

The Inter-Phase Tension in Some Sulfide-Silicate Systems at High Temperature

ASSOCIATION: Proyektnyy i nauchno-issledovatel-skiy institut nikel'evoy, kobal'tovoy i olovyannoy promyshlennosti (Planning and Scientific Research Institute of the Nickel, Cobalt and Tin Industry)

SUBMITTED: February 18, 1958

Card 3/3

SOV/76-33-9-9/37

5(4)

AUTHORS:

Kheyfets, V. L., Sheynin, A. B.

TITLE:

Oscillographic Investigation of the Kinetics of Electrode Processes. I) Method

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 9, pp 1945-1950
(USSR)

ABSTRACT:

An investigation of the kinetics of electrode processes by means of oscillographic diagrams with the coordinates potential-time as obtained by the switching on and off of the polarization current was already performed by V. A. Royter et al (Refs 1-3). A. T. Vagramyan and Z. A. Solov'yeva (Ref 8) pointed out that the short recording time of the oscillographic method is an advantage of such kind that the influence of a surface change of the electrode is avoided. Citing the works of V. A. Royter, V. A. Yuza, Ye... S. Poluyan (Ref 1) and V. I. Kravtsov (Ref 6) a method of analyzing oscillograms as obtained by switching on and off of the current is described in the present paper, which may be applied to arbitrary amounts of polarization and permits the determination of the amount of the exchange current i_0 and the coefficients α and β . The effect of a parallel proceeding electrochemical secondary

Card 1/2

SOV/76-33-9-9/37

Oscillographic Investigation of the Kinetics of Electrode Processes.

I) Method

process on the electrode upon the shape of the oscillogram is discussed and confirmed that no such effect may be ascertained as long as the contribution of the by-process does not exceed 20%. The analysis of the influence of concentration changes on the phase boundary electrode-electrolyte upon oscillograms confirmed (equations (17) and (18)) that for cathode polarization the current change is proportional to activity changes on the boundary electrode-electrolyte so that the described method is not applicable, while it may be applied for anodic polarization that is not too low. There are 10 references, 8 of which are Soviet.

ASSOCIATION: Institut nikalevoy, kobaltovoy i clovyannoy promyshlennosti Gipronikel' (Institute of the Nickel, Cobalt and Tin Industry Gipronikel')

SUBMITTED: February 19, 1958

Card 2/2

VARSHAVSKIY, Yu.S.; KIPNIS, A.Ya.; SHEYNNIN, A.B.

More about the approximate equation of Van der Waals. Zhur.
fiz.khim.34 no.1:211 Ja '60. (MIRA 13:5)
(Equation of state)

ZINOV'YEV, V.A.; SHEYNIN, A.B.; KHEYFETS, V.L.

Oscillographic study of the kinetics of electrode processes.
Part 2: Cobalt electrode in cobalt sulfate solutions. Zhur. fiz.
khim. 35 no.1:98-101 Ja'61. (MIRA 14:2)

1. Gosudarstvennyy institut nikellevoy, kobal'tovoy i olobyannoy
promyshlennosti. (Cobalt)

SHEYNNIN, A.B.; ZINOV'YEV, B.A.; KHEYFETS, V.L. (Leningrad)

Oscillographic study of the kinetics of electrode processes. Part 3:
Cobalt electrode in solutions of various compositions. Zhur. fiz.
khim. 35 no.3:513-516 Mr '61. (MIRA 14:3)

1. Institut nikellevoy, kobal'tovoy i olovyannoy promyshlennosti
Leningrad.
(Electrodes, Cobalt)

KHEYFETS, V.L.; SHEYNNIN, A.B.; KRASIL'SHCHIK, B.Ya.; FISHER, Yu.V.

Measurement of the differential capacity of electrodes and of
the resistance of electrochemical reactions by means of
alternating current. Zhur.prikl.khim. 35 no.7:1550-1556
Jl '62. (MIRA 15:8)

1. Gosudarstvennyy institut po proektirovaniyu predpriyatiy
promyshlennosti.

(Electrodes) (Electrochemistry)

VARSHAVSKIY, Yu.S.; SHEYNIN, A.B.

Entropy of systems containing scarcely distinguishable components.
Dokl. AN SSSR 148 no.5:1099-1101 F '63. (MIRA 16:3)

1. Predstavлено академиком А.А.Гринбергом.
(Entropy) (Gases)

VOLKOVSKIY, Yu.M.; SHIBIN, A.P.

Similarities of continuousetching at constant active reagent
concentrations. Izv. vys. ucheb. zav.; tr. fiz. mat., 7 no.6:38-44
(MIFI 16:3)
1971.

1, Institut "Gipronikel" i leningradskiy gornyy institut.

SHEYNNIN, A.B.; RYTVINSKAYA, M.V.; KHEYFETS, V.L. (Leningrad)

Oscillographic study of the kinetics of electrode processes.

Part 4. Zhur.fiz.khim. 38 no.11:2562-2568 N '64.

(MIRA 18:2)

1. Nauchno-Issledovatel'skiy i proyektnyy institut "Gipronikel".

VIGDORCHIK, Ye.M.; SHEYNIN, A.B.

Analytical regularities of continuous dissolution with recirculation of the solid phase. Izv. vys. ucheb. zav.; tsvet. met. 8 no.1:43-51 '65.
(MIRA 18:6)

1. Nauchno-issledovatel'skiy i proyektnyy institut "Gipronikel".

VICHIKHIN, Ye.M.; ZHESYKIN, A.B.

Mathematical description of continuous processes of dissolution.
Dokl. AN SSSR 110 no.4:879-882 F 165. (NIRA 18:2)

J. Proyektnyj i nauchno-issledovatel'skiy institut "Gipronikel".

VIGDORCHIK, Ye.M.; SHEYNIN, A.B.

Continuous dissolution in a cascade of reactors with a constant concentration of the active reagent. Dokl. AN SSSR 160 no.3:661-664 Ja '65.
(MIRA 18:3)

1. Proyektnyy i nauchno-issledovatel'skiy institut Gipronikel'.
Submitted July 18, 1964.

KOROGODSKIY,M.V.; SHEYNIN,A.M., redaktor; MULIKOVA,I.F., tekhnicheskiy
redaktor

[Work practice with automobile trains; work practice of driver V.P.
Bondarchuk of the auto brigade of the All-Union transportation
Maintenance Association] Opyt raboty na avtopoezde; iz opyta ra-
boby shofera Kirovogradskoi avtoroty Soiuzzagottransa V.P.Bondar-
chuka. Moskva, Nauchno-tekhn.izd-vo avto-transportnoi lit-ry, 1955.
30 p.

(MIRA 9:2)

(Automobile trains)

SHEYNIN, A.M., kandidat tekhnicheskikh nauk.

Effect of operation factors on fuel consumption in automobiles.
Trudy MADI no.19:80-101 '56. (MIRA 10:1)
(Automobiles--Fuel consumption)

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kand.tekhn.nauk; SHEYNIN, Aleksandr Mikhaylovich, kand.tekhn.nauk;
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GRECHINSKAYA, L.T., inzh.; GROZOVSKIY, T.S., kand.tekhn.nauk;
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LEVIN, D.M., kand.tekhn.nauk [deceased]: Prinimali uchastiye:
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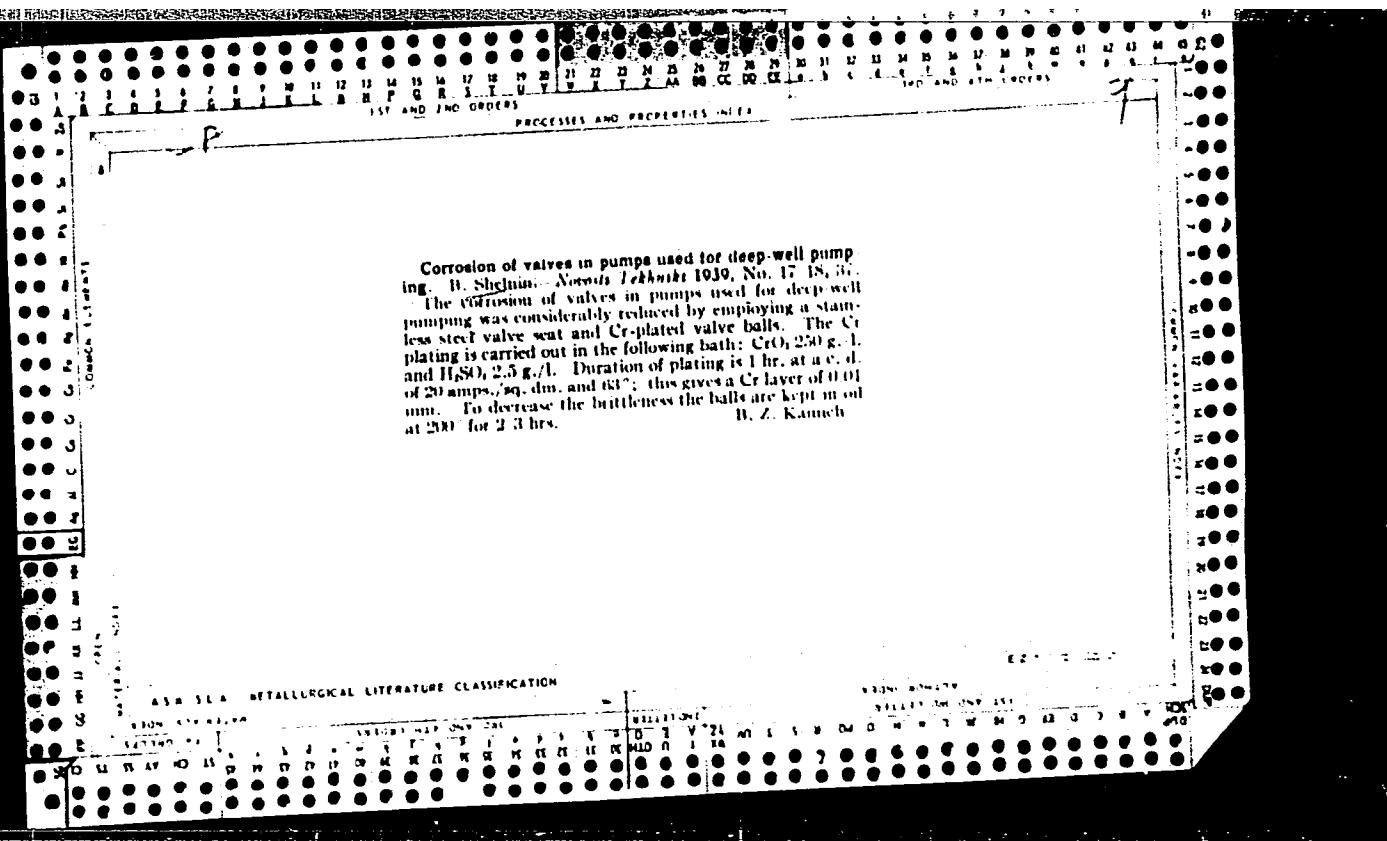
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PINUS, E.R., inzh.; KORSHUNOV, V.I., inzh.; SHEYNIN, A.M., inzh.

Utilization of the waste from crushed carbonaceous rocks in
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Shehni. Novosti Lekchniki 1939, No. 22, 29-30. Corro-
sion of compressor tubes in oil wells which are kept flowing
with the aid of air-gas lift was reduced by coating the end
tubes with 3 layers of Bakelite to which kaolin and a plastic-
izer were added. After the application of each coating the
tube is dried for 2 hrs. and then subjected to the following
heat-treatment: 2 hrs. at 80° and 100°, 1 hr. at 100° and
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PA 46/49T34

USSR/Engineering
Fuel Conservation
Power Plants, Electric

Aug 48

"Rostov Oblast Scientific-Technical Meeting on
Fuel Economy," B. I. Sheynin, Cand Tech Sci,
3 pp

"Za Ekonomiyu Topliva" Vol V, No 8

Eighty-five industrial-power engineers, electrical engineers, and government representatives participated in subject conference, 25-26 May 48. Heard and considered 13 reports, five on introduction of new techniques and improvement in fuel utilization in oblast electric power plants.

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1635. OPERATION OF MIXERS OF GAS (HEAT TREATMENT) FURNACES ON HOT GAS. Sheinin, B.I. (Za Ekon. Tepliva (Fuel Econ.), Aug. 1951, 18-21).
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ABRAMOV, A.S.; SHEYNIN, B.I.; LEBEDEV, M.V., redaktor; NOVOCHADOV, A.G.,
redaktor; GUROVA, O.A., tekhnicheskiy redaktor.

[Fuel, furnaces and boiler installations] Toplivo, topki i ko-
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khoziaistva RSFSR, 1953. 247 p.
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The booklet describes problems of theory, functioning, and arrangement of compressors, and includes instruction for the care, tending, and maintenance of piston compression units, and measures for organizing the work area of operators.

The booklet is intended for piston-compressor operators.

SO: Sovetskaya kniga (Soviet Books), No. 183, 1953, Moscow, (U-6472)

LAVROV, N. A., Eng.; REYNIN, B. I.

Coal, Pulverized

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No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, _____ June 1953. Unclassified.

YURENEV, V.N.[author]; BAZHENOV, I.G.; SHEYNIN, B.I., kandidat tekhnicheskikh
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Jl '53. (MLRA 6:7)
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USSR/Engineering - Power

FD-2245

Card 1/1 Pub 41-13/17

Author : Katarzhis, A. K., Kosterin, S. I., and Sheynin, B. I., Moscow

Title : An electrical method of registering the separation of a steam-water mixture

Periodical : Izv. AN SSSR. Otd. Tekh. Nauk 2, 132-136, Feb 1955

Abstract : Describes a method for registering the separation of a steam-water mixture by using an electrically heated filament. The device works on the principle that the filament would have different heat emissions in steam and water. Diagrams, table. One USSR reference.

Institution:

Submitted : January 31, 1955

REF ID: A6512

AID P - 1321

Subject : USSR/Engineering

Card 1/2 Pub. 110-a - 3/19

Authors : Davidov, A. A., Eng., Polyakov, V. V., Eng. and
Sheynin, B. I., Kand. of Tech. Sci.

Title : Study of the distribution of the steam-water mixture from
the header along the piping system

Periodical : Teploenergetika, 2, 15-19, F 1955

Abstract : The results of research experiments are presented con-
cerning the distribution of the steam-water mixture as
observed on laboratory test equipment. Those experiments
show the relation existing between the indexes of distri-
bution of the steam-water mixture and of the volume load
per second of the distributing header. Recommendations
are presented concerning the choice of some elements of
construction. Diagrams, charts.

Teploenergetika, 2, 15-19, F 1955

AID P - 1321

Card 2/2 Pub. 110-a - 3/19

Institutions: Institute of Power Engineering, Academy of Sciences,
USSR; TETS #9 of Mosenergo (Moscow Power Plant System);
BPK (Bureau for the Construction of Continuously
Operating Coal Boilers).

Submitted : No date

AID P - 3393

Subject : USSR/Electricity
Card 1/1 Pub. 29 - 8/30
Authors : Krasnoperov, F. A., and B. I. Sheynin, Engs.
Title : Cooling of the supporting crown of a boiler
Periodical : Energetik, 10, 14-15, 0 1955
Abstract : The author describes a 150 t/hr capacity Ramsin once-through boiler which was interrupted several times in its operation because of the burning out of its crown. A cooling of the crown was developed, which the author describes as successful. Two drawings.
Institution : None
Submitted : No date

KOSTERIN, S.I., doktor tekhnicheskikh nauk; SHEYNIN, B.I., kandidat tekhnicheskikh nauk; KATARZHIS, A.K., inzhener.

Experimental characteristics of the occurrent flow of a steam-water mixture in a straight horizontal tube. Teploenergetika 3 no.1:22-26 Ja '56. (MIRA 9:2)

1. Energeticheskiy institut Akademii nauk SSSR.
(Fluid dynamics)

SHESTOPALOV, B.I., kandidat tekhnicheskikh nauk; VOLKOVA, V.I., inzhener.

Investigating the effect of the velocity of a steam-water mixture
in the dispensing collector on the distribution among the parallel
turns. Teploenergetika 4 no.9:37-40 S '57. (MLRA 10:8)

1. Energeticheskiy institut Akademii nauk SSSR i Moskovskoye
otdeleniye tsentral'nogo kotloturbinnogo instituta,
(Boilers)

AUTHOR: Kosterin, S.I., Doctor Tech.Sci. and Sheynin, B.I., SOV/96-58-6-14/24
Cand.Tech.Sci.

TITLE: Hydraulic frictional resistance to flow of a steam/water mixture in a straight horizontal tube. (Gidravlicheskiye soprotivleniya treniya techeniyu parovodyanoy smesi v pryamoy gorizonta'noy trube).

PERIODICAL: Teploenergetika, 1958, V. 5. No.6. (USSR) pp. 71-76

ABSTRACT: Two methods have been used to calculate the hydraulic frictional resistance to flow of a two-phase mixture in a tube. The first employs the Darcy-Weissbach formula, which is clearly arbitrary. The second method of calculation is based on relative pressure drops: this method is convenient both in theory and practice, and is used by many investigators. To clarify the main relationships of the hydrodynamics of flow of a two-phase system in a straight horizontal tube, an analytical study is made of the most typical flow structure. Under a wide variety of conditions the flow separates out into two layers: this was observed under various conditions with steam contents by weight ranging from 15 to 65% (see fig.2.), and was accordingly taken as the typical mode of flow. An expression is derived for the specific pressure-drop in the liquid phase, which is equal to that in the gas phase. Then a dimensionless expression is derived for the pressure drop, which is expressed in

Card 1/3